

## HIGHLIGHTS

Cross-infection is of major housekeeping concern not only in hospitals, but in schools, institutions, and industry. Bio-Clean is formulated for this problem area. It both cleans and disinfects effectively and is virucidal when used as directed. Its hard surface disinfecting action will reduce the hazard of cross-infection.

Bio-Clean is an extremely effective one-step sanitizer. It cleans and sanitizes in waters up to 800 ppm hardness. This hard water tolerance is in excess of most potable waters and will insure complete sanitizing action when used as directed.

Two ounces of Bio-Clean per gallon of water will deodorize bathrooms, garbage storage areas, and other areas where bacterial growth can cause mal odors.

Bio-Clean is virucidal against Herpes Simplex (a member of the virus family that causes infectious mononucleosis), vaccinia (representative of the pox viruses), adenovirus Type 5 (a causative virus in respiratory diseases), and influenza A<sub>2</sub> as represented by the strains commonly called the Hong Kong Flu and the London Flu Virus, on inanimate environmental surfaces.

For Schools, Institutional and Industrial Uses: Add one ounce per gallon of water.

## WARNING

Keep out of reach of children. May cause severe eye irritation or eye damage. Causes skin irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Avoid contamination of food.

### FIRST AID

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash all contaminated clothing before reuse. If swallowed, drink promptly a large quantity of water. Avoid alcohol. Call a physician immediately.

# Comment BIO-CLEAN

CLEANER-DISINFECTANT-DEODORIZER-FUNGICIDE-VIRUCIDE\*  
SANITIZER FOR HOSPITAL AND INSTITUTIONAL USE

### AOAC Phenol Coefficients

Staph, aureus (ATCC No. 6538)	100
Salmonella typhosa (ATCC No. 6539)	50

### Active Ingredients

Didecyl dimethyl ammonium chloride	4.5%
Tetrasodium ethylenediamine tetraacetate	2.0%
Sodium carbonate	1.0%
Sodium metasilicate, anhydrous	0.5%

Inert Ingredients	92.0%
	100.0%

EPA Registration No. 34273-1

Net Contents:

# DISINFECTANT CLEANER

**WARNING:** KEEP OUT OF REACH OF CHILDREN. SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.



**CHEMICAL LABORATORIES  
BEDFORD, MASS. 01730**

Apply Bio-Clean to chairs and bed for preliminary clean

For Hospitals &

At two ounces per gallon of water, Bio-Clean is effective against Pseudomonas aeruginosa, Escherichia coli, and Staphylococcus aureus, as shown by the first dilution test. For details, see the literature.

At 2 ounces per gallon of water, Bio-Clean is effective against the germs shown by its germicidal action.

At one ounce per gallon of water, Bio-Clean is germicidal against the athlete's foot fungus, and is suitable for use on shoes.

For sanitizing and disinfecting surfaces. When used on food contact surfaces, rinse thoroughly with water.

Rinse empty containers.

ACCEPTED WITH COMMENTS

Comment

# BIO-CLEAN

CLEANER-DISINFECTANT-DEODORIZER-FUNGICIDE-VIRUCIDE\*  
SANITIZER FOR HOSPITAL AND INSTITUTIONAL USE

### AOAC Phenol Coefficients

Staph, aureus (ATCC No. 6538)	100
Salmonella typhosa (ATCC No. 6539)	50

### Active Ingredients

Didecyl dimethyl ammonium chloride	4.5%
Tetrasodium ethylenediamine tetraacetate	2.0%
Sodium carbonate	1.0%
Sodium metasilicate, anhydrous	0.5%

### Inert Ingredients

	92.0%
	100.0%

EPA Registration No. 34273-1

Net Contents:

# DISINFECTANT CLEANER

**WARNING:** KEEP OUT OF REACH OF CHILDREN. SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.



**CHEMICAL LABORATORIES  
BEDFORD, MASS. 01730**

## DIRECTIONS

Apply Bio-Clean to walls, floors and other hard surfaces such as tables, chairs and bed frames with a cloth or mop. For heavily soiled areas, a preliminary cleaning may be required.

For Hospitals & Nursing Homes: Add two ounces per gallon of water.

At two ounces per gallon use-level, Bio Clean is effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Salmonella choleraesuis*, *Escherichia coli*, and pathogenic fungi. Germicidal performance against the first four organisms has been confirmed by the AOAC Use-Dilution Test. Fungicidal performance was determined against *T. interdigitale* by the AOAC Fungicidal Test.

At 2 ounces per gallon the broad spectrum effectiveness of Bio-Clean is shown by its germicidal action against the following additional organisms.

- Brevibacterium ammoniagenes*
- Enterobacter aerogenes*
- Proteus mirabilis*
- Streptococcus pyogenes*
- Klebsiella pneumoniae*
- Salmonella schottmuelleri*
- Streptococcus faecalis*
- Shigella dysenteriae*.

At one ounce per gallon use-level, Bio-Clean delivers excellent cleaning and is germicidal. It is effective against *Staphylococcus aureus*, *Salmonella choleraesuis*, *Escherichia coli*, and *Trichophyton interdigitale*, the athlete's foot fungus. The same AOAC tests used above to confirm suitable performance for hospitals were used.

For sanitizing add one-half ounce per gallon of water. Use Bio-Clean for sanitizing and cleaning of utensils, equipment, and other hard surfaces. When sanitizing food processing equipment and utensils and food contact surfaces, rinse thoroughly with potable water.

Rinse empty container with water before discarding.

**KEEP FROM FREEZING**

ACCEPTED WITH COMMENTS